Work Order July-11-12 12:53:4			*872	75*			*				Page 1
Revision ID:	850-636-101 e Step, LH/RH		Accept	*N9000	140	100)* s	Setup	Start Stop	*N:	S1* S2*/
	0/12 Start Qty:			Cust Item ID Customer:	: :						
	rocess Plan:	Date: 12-02 Date:	Tooling: SPC (Y/N):	Dat			F		Start Stop	*N *N	R1* R2*
Sequence ID/ Work Center ID	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reje Qty		leject lumber	Insp. Stamp
Draw Nbr D3487	Revision Nbr Rev A						4				
100 *1 nn* DC Document Control			0.00 0.00 or PPPD350-636-101 CHG00	1		٨	1/A 7/2)		RIZ-	
*110 *110* Waterjet FLOW CNC Waterjet	Dw	mo ut as per Dwg *** D3487-1** g Rev: g Rev:	0.00							B	2-7-19
		eburr if necessary									

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W/O:			WC	RK ORDER CHA	ANGES					
DATE	STEP	PRO	OCEDURE CHAI	NGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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L								4		
Part No	:	PAR #:	Fault Categ	jory:	NC	R: Yes	No DQA	۸:	_ Date: _	
•	R	esolution:	Disposition	ı: <u>'</u>	QA	: N/C CI	osed:		Date: _	
NCR:	:		WORK ORDE	R NON-CONFO	RMANCE	(NCR	1)			
DATE	STEP	Description of NC		Corrective Action	Section B	T 6: 0	Verific	ation	Approval	Approval
DAIL	JILF	Section A	Initial Chief Eng	Action Descrip	tion 	Sign & Date	Section	on C	Chief Eng	QC Inspector
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		<u> </u>								
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	Vork Order ID 87275 ly-11-12 12:53:43 PM			*872	75*						Page 2
Item ID: Revision ID: Item Name:	D350-636-10			Accept	*N900	<u>040</u>	100)* s	etup Sta	i VI	S1* S2*
Start Date: Required Date: Reference:	7/10/12 8/03/12	Start Qty: 4.00 Req'd Qty: 4.00	*4* *4*		Cust Item I Customer:	ID:					
Approvals:	Process Pla	n:	Date:	Tooling:		ate:		R	lun Sta	rt *N	R1*
Appi ovais.	QC:					ate:			Sto	*N	R2*
Sequence ID/ Work Center II	D	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
*120 *120* QC Quality Control		QC2- Inspect parts off m	nachine FAI/FAIB	0.00	·					B12	-7-19
130 *13 0 *		QC8- Inspect parts - seco	ond check	0.00 Sm C	2 / 2AS al	919		4		; .	5 -
QC Quality Control		Memo		0.00 13-1-1	3 8-83	·		•			
*150		NC BRAKE		0.00				¥			5
Brake NC Brake NC		Memo Form as per	Dwg D3487	0.00						_	

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W/O:			W	ORK ORDER CHANGE	S				3
DATE	STEP	PRO	CEDURE CH	ANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approva QC Inspecto
			•						
						······································			
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Part No	:	PAR #:	Fault Cate	egory:	NCR: Yes	No DQ	A:	Date: _	
	Re	esolution:	_ Disposition	on: '	QA: N/C C	losed:		Date: _	
NCR:		W	ORK ORE	ER NON-CONFORMAL	NCE (NC	7)			
DATE	STEP	Description of NC Section A	Initial	Corrective Action Section Action Description	n B		cation	Approval Chief Eng	Approval QC Inspecto
			Chief Eng	Chief Eng	Date				до пороско
			+						

Work Order ID 87275 *87275* Page 3 July-11-12 12:53:43 PM *N900040100* Item ID: D350-636-101 Accept Setup Start **Revision ID:** Toe Step, LH/RH Item Name: 7/10/12 Start Oty: 4.00 **Start Date: Cust Item ID:** Required Date: 8/03/12 Req'd Qty: 4.00 **Customer:** Reference: Run Tooling: Date: Approvals: Process Plan: Date: Stop Date: _____ SPC (Y/N): Date: Sequence ID/ Operation **Tool ID** Tool # Plan Reject Reject Insp. Set Un/ Accept Qty Qty Work Center ID Number Stamp Description **Run Hours** Code QC5- Inspect part completeness to step on W/O 160 *160* 0.00)2 10-20 Memo Quality Control Chemical Conversion Coat per QSI005 4.1 0.00 170 4 16 12.10.22 *170* HandFinish 0.00 Memo Hand Finishing 0.00 180 White Gloss(Ref:4.3.5.1) per QS1005 4.3-Alum *120* Powdercoat Memo ATTN: PAINT GLOSS Powder Coating START TIME: OVEN TEMPERATURE: _FINISH TIME Mage

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES								
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector			
23	180	change description to while forther to as				cl.				
7.023	10					1210,23				
					<u>.l</u>	l				

Part No:	PAR #:	Fault Category:	NCR: Yes No DQA:	Date:
Resolution:		Disposition:	QA: N/C Closed:	Date:

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
		Description of NC	-	Corrective Action Se	ection B	Verification	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC inspecto
	100							

Work Order ID 87275 *87275* Page 4 July-11-12 12:53:43 PM D350-636-101 Item ID: Accept *N900040100* Setup Start **Revision ID:** Toe Step, LH/RH Item Name: *4* **Start Date:** 7/10/12 Start Qty: 4.00 **Cust Item ID:** Req'd Qty: 4.00 Required Date: 8/03/12 **Customer:** Reference: Run Process Plan: Date: Tooling: Date: **Approvals:** Date: SPC (Y/N): QC: Date: Sequence ID/ Operation Set Up/ Tool ID Tool # Plan Accept Reject Reject Insp. **Work Center ID** Description Code Qty Qty Number Stamp Run Hours Wing Walk as per dwg QSI005 4.4 Batch 1/1 12 2 5 9, 40.00 190 *190* HandFinish 0.00 Memo Hand Finishing 200 QC3- Inspect Part Finish 0.00 4 \$ 12-10-24 *200* QC 0.00 Memo Quality Control 210 0.00 Packaging *210* 0.00 Packaging

Identify and pack for shipping as per PPP D350-636-101

Location:____ PPP Rev:

Packaging

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W/O:			W	ORK ORDER CHAN	GES			•		
DATE	STEP	PR	OCEDURE CH	ANGE	Ву	D	ate	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #:	Fault Cate	egory:	NCR: Y	es No	DQA	:	Date:	
		esolution:								
NCR:			WORK ORD	ER NON-CONFORM	IANCE (N	CR)			-	
DATE	OTED	Description of NC		Corrective Action Sec	ction B		Verifica	ation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Siç D	n & ate	Sectio		Chief Eng	QC Inspector
No.										
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Work Ord July-11-12 12:		7275		*872	75*						Page	; 5
Item ID: Revision ID:	D350-636-			Accept	*N900	040	100)*	Setup	Start Stop	*NS1*	
Item Name: Start Date: Required Date: Reference:	Toe Step, LF 7/10/12 : 8/03/12	H/RH Start Qty: 4.00 Req'd Qty: 4.00	*4* *4*		Cust Item I Customer:	D:				Stop	*NS2*	
Approvals:	Process P	lan:	Date:	Tooling: SPC (Y/N):		ate:			Run	Start Stop	*NR1* *NR2*	
Sequence ID/ Work Center I 230 *230* QC Quality Control	D	Operation Description QC21- Final Inspection Memo	- Work Order Release	Set Up/ Run Hours 0.00	Tool ID	Tool#	Plan Code	Accept Qty	Qty	ы Ы	Reject Insp. Number Stamp	9

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W/O:			WORK ORDER CHANGES													
DATE	STEP	PR	OCEDURE CHA	NGE	Ву	Date C	Approval Chief Eng / Prod Mgr	Approval QC Inspector								
		•														
Part No: PAR #			Fault Cate	gory:	_ NCR: Yes											
	Re	solution:	Disposition	ı: <u>'</u>	_ QA: N/C Cle	osed:	Date:									
NCR:			WORK ORDER NON-CONFORMANCE (NCR)													
DATE	STEP	Description of NC			ion B	Verificati	ion Approval	Approval								
DAIL	JILF	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section (C Chief Eng	QC Inspector								
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Picklist Print

July-11-12 12:53:43 PM

Page 1

Work Order ID:

87275

Parent Item:

D350-636-101

Parent Item Name:

Toe Step, LH/RH

Start Date: 7/10/12

Required Date: 8/03/12

Start Qty: 4.00

Required Qty: 4.00

Comments:

IPP Rev:A New Issue 06-03-03 JLM house DD verf:H M

IPP Rev:B 11.03.15 now made in

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M6061T6S.100 6061-T6 .100 Sheet		Purchased	No	All A all all all all all all all all al	THE WAY AND A SHALL.	110	sf	62.1000	0.7942	3.344	1345	-7-19	
				Location		Loc Oty	<u>Lo</u>	c Code		7	λ		
				MAT021		62.1				(\mathcal{Z}		
				1022	01	0.5							
				1180	72	5.7							
				1185	23	55.9			1189	525			

rospace	e Ltd							•							
	WORK ORDER CHANGES														
STEP	PRO	CEDURE CH	IANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector							
:	PAR #:	Fault Ca	tegory:	NCR: Yes	No DQ	A:	Date: _								
R	esolution:	Disposit	ion: <u>`</u>	_ QA: N/C (Closed:		Date: _								
	V	VORK OR	DER NON-CONFORMA	NCE (NC	R)	1 (8 180)		-							
	Description of NC		Corrective Action Section	on B	Verifi	cation	Approval	Approval							
STEP	Section A	Initial Chief Eng	Action Description Chief Eng		& Sec		Chief Eng	QC Inspector							
				-											
-							,								
	STEP	:PAR #: Resolution: V STEP Description of NC Section A	STEP PROCEDURE CHECK PAR #: Fault Ca Resolution: Disposit WORK OR STEP Description of NC Section A Initial Chief Eng	STEP PAR #: Fault Category: Resolution: Disposition: WORK ORDER NON-CONFORMA STEP Description of NC Section A Corrective Action Section Chief Eng Chief E	STEP PROCEDURE CHANGE By :PAR #:Fault Category:NCR: Yes Resolution:Disposition:QA: N/C C WORK ORDER NON-CONFORMANCE (NC STEP Description of NC Section A Corrective Action Section B Initial Chief Eng Action Description Chief Eng Date Contractive Action Section B Chief Eng Chi	STEP PROCEDURE CHANGE By Date :PAR #:Fault Category:NCR: Yes No DO Resolution:Disposition:QA: N/C Closed: WORK ORDER NON-CONFORMANCE (NCR) STEP Description of NC Section A Chief Eng Action Description Chief Eng	STEP PROCEDURE CHANGE By Date Qty :PAR #:Fault Category:NCR: Yes No DQA: Resolution:Disposition:QA: N/C Closed: WORK ORDER NON-CONFORMANCE (NCR) STEP Description of NC	STEP PROCEDURE CHANGE By Date Qty Chief Eng / Prod Mgr :							

DART AEROSPACE LTD	Work Order:	
Description: Step	Part Number:	D3487-1
Inspection Dwg: D3487 Rev: A		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

Drawing	Tolerance	Actual	Accept	Reject	Method of	Comments
Dimension		Dimension			Inspection	
Ø0.203	+0.005/-0.001	,706	2_		V (BG)	
3.494	+/-0.010	,706 3,444	ط		ν	
4.054	+/-0.010	4054	2		V	
6.500	+/-0.010	6.500	7		Υ	
10.619	+/-0.010	10.619	9		Plowsez	
11.500	+/-0.010	11.580	4		R	
1.973	+/-0.010	1.973	9		V	
2.970	+/-0.010	2.970	4		V	
4.270	+/-0.010	4.276	1		V	
4.973	+/-0.010	4.973	L		V	
0.100	+/-0.010	(বৃধ	A		1/	
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Measured by:	Audited by: SMB, DAS	Preliminary Approval:
Date: 127-19	Date: 10-7-19 % 83	Date:

Rev	Date	Change	711/11	Revised by	Approved
Α	11.03.24	New Issue		KJ 🕬	24
				···	• • • • • • • • • • • • • • • • • • • •

NCR:	Yes	/	No

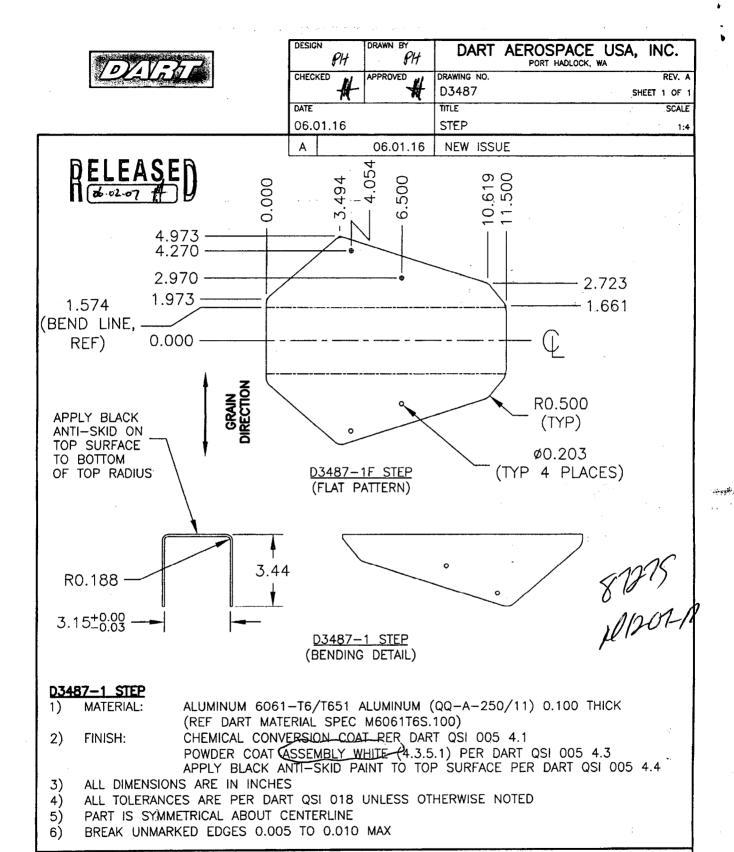
										DQA:	Date:		
NCR:	Yes / No				WORK ORDER NON-	CON	IFOR	MANCE / UP	DATE		<u> </u>		
					T		QA Closed: Date:						
Work Ord	ár:				DISPOSITION	AGAINST DE				EPARTMENT/PROCESS			
					Rework	Skid-tube Crosstube			7	Water Jet	Engineering		
Part N	No.				Scrap	!	Machining	Small Fab	Prod. Eng. Coor.		Quality		
					Use-as-is		Thern	noforming	Finishing	Rec/Sto	re/Packaging	Other	
NCR I	No				Work Order Update]		Large Fab	Composite]	Supplier		
Root	- <u>- </u>	T		Descri	ption of work order update		nitial	Λ	tion	Sign &			
Cause	Date	Step	Qty		· •		ief Eng	ľ	ription	Date	Verification	QC Inspector	
Doc/Data	Date	Step	Qty		or worr comormance	-	ici Liig	DC36	Прегоп	Dute	vermedeon	Qe mspector	
Equip/Tooling													
Operator													
Material													
Setup						*							
Other					·								
Process			.										
Supplier													
Training		ĺ											
Unapproved		<u> </u>	<u> </u>									·	
						AUL	T CATE	GORY				· · · · · · · · · · · · · · · · · · ·	
Landi	ng Gear			r	General				<u></u>	٦		٦	
	Bending			<u> </u>	Bend	\vdash	Grain		ļ	Ovalized	_	Pressure/Forced	
	Centre No	ot Concer	ntric to	o/s	BOM/Route	-	Hardwa			Over/Under	 	Temperature/Cure	
	Cracks				Broken/Damaged	\vdash	•	on Incomplete		Part Incorred	-	Weld	
	Crushed/	Crimped.		<u> </u>	Burrs	_		ions Incomplete/I	Unclear	Part Lost/Mi	ssing	Wrong Stock Pulled	
	Cuffs				Contamination	-	Mainte		ļ	Part Moved		•	
	Heat Trea		T., b.	-	Countersink	\vdash	Mislabe		 	Positioned V		Joshan	
	Inspection		rube	\vdash	Cut Too Short Drill Holes	-	Misread			Power Loss/	onike	Other	
	Ripples in Torque W		vtrucio	, 	Drawing		Offset	Calibration					
				' . -	•	-		Sequence					
	Turning Sequence Finish						Out of 3	requerice					

Outside Dimensions

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Wave/Twist in Tube

Folio



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NCR:	Yes /	No	WORK ORDER NON-CONFORMANCE

DQA:	Date:	

NCR: Y	·												
									***		QA Closed:	Date:	
Work Orde	er:		···	···		DISPOSITION			AGAINST DEPARTMENT/PROCESS				
						Rework			Skid-tube	Crosstube		Water Jet	Engineering
Part N	lo					Scrap	i .	Machining	Small Fab	-	d. Eng. Coor.	Quality	
						Use-as-is		Thern	noforming	Finishing	Rec/Stor	e/Packaging Supplier	Other
NCR No.				Work Order Update			Large Fab	Composite	_				
Root	Desc			crip	tion of work order update		Initial	Acti	on	Sign &			
Cause	Date	Step	Qty			or Non-conformance	Cr	nief Eng	Descri	iption	Date	Verification	QC Inspector
Doc/Data													
Equip/Tooling							l						
Operator				`			1						
Material													
Setup							ļ						
Other							1						
Process						•							
Supplier							l		•				
Training						•							
Unapproved													
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Landin	g Gear					General					_		,
	Bending				_	Bend	L	Grain			Ovalized		Pressure/Forced
	Centre No	ot Concer	ntric to	o/s		BOM/Route		Hardwa	re		Over/Under	tolerance	Temperature/Cure
	Cracks			Į		Broken/Damaged	L	Inspecti	on Incomplete		Part Incorred	t	Weld
`[Crushed/	Crimped.		Ĺ		Burrs		Instruct	ions Incomplete/U	nclear	Part Lost/Mi	ssing	Wrong Stock Pulled
	Cuffs					Contamination		Mainte	nance		Part Moved		÷
	Heat Trea	it				Countersink	L	Mislabe	led		Positioned V	/rong	_
	Inspection	n Strip in	Tube	[Cut Too Short		Misread	l		Power Loss/	Surge	Other
	Ripples in	Bend		[Drill Holes		Offset					7
	Torque W	aves in E	xtrusion	٦ [Drawing		Out of Calibration					
	Turning S	equence				Finish		Out of Sequence					
	Wave/Twist in Tube Folio					Folio		Outside	Dimensions				

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